Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/14/2017 10:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124574	-1	1.31	124473	1.29
Blue	F	SSC	125000	123730	-2	2.35	124150	2.12
Blue	E	FITC	23795	23115	-3	2.36	1025	10.15
Blue	D	PE	29673	29319	-2	1.94	1050	9.91
Blue	B	PerCP-Cy5-5	48943	48078	-2	3.28	1383	17.18
Blue	A	PE-Cy7	44112	44385	0	4.97	683	36.78
Red	C	APC	54273	53529	-2	2.69	3110	9.42
Red	A	APC-Cy7	54945	54351	-2	2.65	1127	11.22
Violet	B	V450	15756	15172	-4	3.83	726	8.82
Violet	A	V500	62569	61517	-2	3.66	2714	6.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19852	3.16	610	-4	N/A	N/A	Pass
Blue	F	SSC	61364	1.44	544	-2	N/A	N/A	Pass
Blue	E	FITC	117	38.31	547	-3	0.0213	184	Pass
Blue	D	PE	231	28.80	544	-2	0.1534	221	Pass
Blue	B	PerCP-Cy5-5	216	46.39	636	-3	0.0098	118	Pass
Blue	A	PE-Cy7	75	119.65	694	-5	0.0110	10	Pass
Red	C	APC	363	27.65	598	-2	0.0203	72	Pass
Red	A	APC-Cy7	122	42.36	577	-7	0.0056	1958	Pass
Violet	B	V450	88	42.36	471	-1	0.0492	2093	Pass
Violet	A	V500	199	22.71	499	0	0.0146	476	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.72	-31.23	0.90
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.48	13.27 - 19.91	N/A	N/A	31.09	31.68	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11288

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments